

	Type	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	64594	sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1)	USPAT; US-PGPUB	2003/06/05 18:32	
2	BRS	405292	(waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1	USPAT; US-PGPUB	2003/06/05 17:59	
3	BRS	112199	(light beam) near9 (reference split\$4 divid\$3)	USPAT; US-PGPUB	2003/06/05 17:50	
4	BRS	86401	compar\$5 same reference same (detect\$4 sens\$3)	USPAT; US-PGPUB	2003/06/05 18:01	
5	BRS	242021	detect\$3 same referenc\$3	USPAT; US-PGPUB	2003/06/05 17:55	
6	BRS	305	(sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)	USPAT; US-PGPUB	2003/06/09 12:13	
7	BRS	164245	second near7 detect\$3	USPAT; US-PGPUB	2003/06/05 17:58	
8	BRS	158	((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)) and (second near7 detect\$3)	USPAT; US-PGPUB	2004/04/07 15:43	
9	BRS	92	((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)) and (second near7 detect\$3)) and fiber	USPAT; US-PGPUB	2003/06/05 17:59	
10	BRS	90	((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)) and (second near7 detect\$3)) and fiber) and (pressure\$1 intensit\$4 densit\$3)	USPAT; US-PGPUB	2003/06/05 18:00	

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1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
11	BRS	38	(((((sens\$5 same flow\$4 same fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)) and (second near7 detect\$3)) and fiber) and (pressure\$1 intensit\$4 densit\$3)) and (compar\$5 near7 reference same (detect\$4 sens\$3))	USPAT; US-PGPUB	2003/06/05 18:02	
12	BRS	39	(((((sens\$5 same flow\$4 same fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)) and (second near7 detect\$3)) and fiber) and (compar\$5 near7 reference same (detect\$4 sens\$3))	USPAT; US-PGPUB	2003/06/05 18:02	
13	BRS	28	(((((sens\$5 same flow\$4 same fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)) and (second near7 detect\$3)) and fiber) and (compar\$5 near7 reference same (detect\$4 sens\$3))) and (sens\$5 near7 flow\$4 same (fluid\$2 water oil liquid\$1))	USPAT; US-PGPUB	2003/06/05 18:32	
14	BRS	11616	sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1)	USPAT; US-PGPUB	2003/06/05 18:34	
15	BRS	15	fiber same grating near5 flow\$3	USPAT; US-PGPUB	2003/06/05 18:35	
16	BRS	39	fiber same grating near9 flow\$3	USPAT; US-PGPUB	2003/06/05 18:40	
17	BRS	1	((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)) and (fiber same grating near9 flow\$3 )	USPAT; US-PGPUB	2003/06/05 18:41	

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11		0
12		0
13		0
14		0
15		0
16		0
17		0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
18	BRS	1	((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)) and (fiber same grating near9 flow\$3 ) and (sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1))	USPAT; US-PGPUB	2003/06/05 18:39	
19	BRS	1	(sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1)) and (fiber same grating near9 flow\$3 )	USPAT; US-PGPUB	2003/06/05 18:40	
20	BRS	91	fiber near5 grating same flow\$3	USPAT; US-PGPUB	2004/04/07 16:50	
21	BRS	1	((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)) and (fiber near5 grating same flow\$3 )	USPAT; US-PGPUB	2003/06/05 18:42	
22	BRS	4	(sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1)) and (fiber near5 grating same flow\$3 )	USPAT; US-PGPUB	2003/06/05 18:50	
23	BRS	82	(fiber clad\$4 core) near9 grating same (sens\$3 flow\$3) same (liquid water oil fluid)	USPAT; US-PGPUB	2003/06/05 19:00	
24	BRS	8	(sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1)) and ((fiber clad\$4 core) near9 grating same (sens\$3 flow\$3) same (liquid water oil fluid))	USPAT; US-PGPUB	2003/06/05 18:52	
25	BRS	1	((sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1)) and ((fiber clad\$4 core) near9 grating same (sens\$3 flow\$3) same (liquid water oil fluid)) ) and ((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3))	USPAT; US-PGPUB	2003/06/05 18:50	

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18		0
19		0
20		0
21		0
22		0
23		0
24		0
25		0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
26	BRS	1	((sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1)) and ((fiber clad\$4 core) near9 grating same (sens\$3 flow\$3) same (liquid water oil fluid)) ) and ((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3))	USPAT; US-PGPUB	2003/06/05 18:51	
27	BRS	4	((sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1)) and ((fiber clad\$4 core) near9 grating same (sens\$3 flow\$3) same (liquid water oil fluid)) ) not ((sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1) ) and (fiber near5 grating same flow\$3 ) )	USPAT; US-PGPUB	2003/06/05 18:52	
28	BRS	944	(fiber clad\$4 core) near9 grating same (sens\$3 flow\$3 liquid water oil fluid)	USPAT; US-PGPUB	2003/06/05 19:24	
29	BRS	1	((fiber clad\$4 core) near9 grating same (sens\$3 flow\$3 liquid water oil fluid)) and ((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3)) and (sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1))	USPAT; US-PGPUB	2003/06/05 19:06	
30	BRS	3	((fiber clad\$4 core) near9 grating same (sens\$3 flow\$3 liquid water oil fluid)) and ((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1) ) and ((waveguide (wave near1 guide) fiber) same grating\$1 same light beam\$1 ) and ((light beam) near9 (reference split\$4 divid\$3)) and (compar\$5 same reference same (detect\$4 sens\$3)) and (detect\$3 same referenc\$3))	USPAT; US-PGPUB	2003/06/05 19:03	
31	BRS	20	((fiber clad\$4 core) near9 grating same (sens\$3 flow\$3 liquid water oil fluid)) and (sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1))	USPAT; US-PGPUB	2003/06/05 19:14	

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26		0
27		0
28		0
29		0
30		0
31		0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
32	BRS	4	((fiber clad\$4 core) near9 grating same (sens\$3 flow\$3 liquid water oil fluid) and (sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1))) and (compar\$5 same reference same (detect\$4 sens\$3))	USPAT; US-PGPUB	2003/06/05 19:07	
33	BRS	13	((fiber clad\$4 core) near9 grating same (sens\$3 flow\$3 liquid water oil fluid) and (sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1))) and compar\$4	USPAT; US-PGPUB	2003/06/05 19:15	
34	BRS	4842	(fiber clad\$4 core) near9 grating	USPAT; US-PGPUB	2003/06/05 19:25	
35	BRS	4	((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1)) not ((fiber clad\$4 core) near9 grating same (sens\$3 flow\$3 liquid water oil fluid) and (sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1)))	USPAT; US-PGPUB	2003/06/05 19:25	
36	BRS	24	((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 flow\$4 near5 (fluid\$2 water oil liquid\$1))	USPAT; US-PGPUB	2003/06/06 11:05	
37	BRS	48	((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3) near5 (fluid\$2 water oil liquid\$1)))	USPAT; US-PGPUB	2003/06/06 11:14	
38	BRS	25	((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3) near5 (fluid\$2 water oil liquid\$1))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3)	USPAT; US-PGPUB	2003/06/06 11:17	
39	BRS	2	((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3) near5 (fluid\$2 water oil liquid\$1))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3) and ((compar\$3 corelat\$4) near9 reference)	USPAT; US-PGPUB	2003/06/06 14:29	
40	BRS	13	((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3) near5 (fluid\$2 water oil liquid\$1))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3) and ((divid\$3 split\$4) same light beam\$1)	USPAT; US-PGPUB	2003/06/06 11:43	
41	BRS	0	((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3 flow) near5 (fluid\$2 water oil liquid\$1))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3) and ((divid\$3 split\$4) same light beam\$1)	EPO; JPO; DERWENT	2003/06/06 11:39	

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32		0
33		0
34		0
35		0
36		0
37		0
38		0
39		0
40		0
41		0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
42	BRS	1	((((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3 flow) near5 (fluid\$2 water oil liquid\$1)))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3))	EPO; JPO; DERWENT	2003/06/06 11:39	
43	BRS	9	((((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3 flow) near5 (fluid\$2 water oil liquid\$1)))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3)) and ((divid\$3 split\$4) near5 (light beam\$1))	USPAT; US-PGPUB	2003/06/06 11:51	
44	BRS	8	((((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3 flow) near5 (fluid\$2 water oil liquid\$1)))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3)) and ((reference) near5 (light beam\$1 signal))	USPAT; US-PGPUB	2003/06/06 11:56	
45	BRS	5	(((((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3 flow) near5 (fluid\$2 water oil liquid\$1)))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3)) and ((reference) near5 (light beam\$1 signal))) not (((((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3 flow) near5 (fluid\$2 water oil liquid\$1)))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3)) and ((divid\$3 split\$4) near5 (light beam\$1)))	USPAT; US-PGPUB	2003/06/06 11:53	
46	BRS	11	((((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3 flow) near5 (fluid\$2 water oil liquid\$1)))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3)) and ((reference near7 sens\$4) near7 (anal\$5 measur\$4 compar\$3 corelat\$4 differenc\$2))	USPAT; US-PGPUB	2003/06/06 14:31	

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42		0
43		0
44		0
45		0
46		0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
47	BRS	2	(((((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3 flow) near5 (fluid\$2 water oil liquid\$1)))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3)) and ((reference near7 sens\$4) near7 (anal\$5 measur\$4 compar\$3 corelat\$4 differenc\$2))) not (((((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3 flow) near5 (fluid\$2 water oil liquid\$1)))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3)) and ((reference) near5 (light beam\$1 signal))) (((((fiber clad\$4 core) near9 grating ) and (sens\$5 near4 ((pressure densit\$3 flow) near5 (fluid\$2 water oil liquid\$1)))) and ((fluid\$2 water oil liquid\$1) near3 flow\$3)) and ((divid\$3 split\$4) near5 (light beam\$1))) )	USPAT; US-PGPUB	2003/06/06 12:00	
48	BRS	1	6361299.pn.	USPAT; US-PGPUB	2003/06/06 14:29	
49	BRS	0	6361299.pn. and ((reference compar\$4 correlat\$4) near7 (anal\$5 measur\$4 calculat\$5 analy\$5))	USPAT; US-PGPUB	2003/06/06 14:34	
50	BRS	1	6361299.pn. and (differen\$4 reference compar\$4 correlat\$4 anal\$5 measur\$4 calculat\$5 analy\$5)	USPAT; US-PGPUB	2003/06/06 15:11	
51	BRS	1	5326969.pn.	USPAT; US-PGPUB	2003/06/06 15:15	
52	BRS	1	5326969.pn. and (light disper\$4 differenc\$2 flow\$3 liquid water oil fluid\$2 intensit\$3 interferenc\$3 beam\$1)	USPAT; US-PGPUB	2003/06/06 15:52	
53	BRS	2	("6361299" "5177805") .pn.	USPAT; US-PGPUB	2003/06/06 15:53	
54	BRS	2	((("6361299" "5177805") .pn.) and (grating near5 (fiber\$1 core\$1 cladd\$3)))	USPAT; US-PGPUB	2003/06/06 18:58	
55	BRS	1	6201907.pn.	USPAT; US-PGPUB	2003/06/06 18:58	
56	BRS	104	(sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1)) and ((fiber\$1 clad\$3 (wave near1 guide) fiber) near7 grating\$1)	USPAT; US-PGPUB	2004/04/07 16:49	
57	BRS	746	356/28.5	USPAT; US-PGPUB	2003/06/09 12:54	
58	BRS	1	((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1)) and ((fiber\$1 clad\$3 (wave near1 guide) fiber) near7 grating\$1) ) and 356/28.5	USPAT; US-PGPUB	2003/06/09 12:54	
59	BRS	106	(sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1)) and ((fiber\$1 clad\$3 core (wave near1 guide) fiber) near7 grating\$1)	USPAT; US-PGPUB	2003/06/09 13:00	

	Error Definition	Error Definition
47		0
48		0
49		0
50		0
51		0
52		0
53		0
54		0
55		0
56		0
57		0
58		0
59		0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
60	BRS	1	356/28.5 and ((sens\$5 same flow\$4 same (fluid\$2 water oil liquid\$1)) and ((fiber\$1 clad\$3 core (wave near1 guide) fiber) near7 grating\$1) )	USPAT; US-PGPUB	2003/06/09 13:02	
61	BRS	1	"10665487" and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/07 17:31	
62	BRS	1	"10665487"	USPAT; US-PGPUB	2004/04/07 16:51	
63	BRS	950	(grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)	USPAT; US-PGPUB	2004/04/07 16:54	
64	BRS	9068	(grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1))	USPAT; US-PGPUB	2004/04/07 16:55	
65	BRS	8577	(grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water)	USPAT; US-PGPUB	2004/04/07 16:57	
66	BRS	11	((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1))) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/07 18:18	
67	BRS	4	"20020128234" "20030059150" "20030094281" "20040057647"	USPAT; US-PGPUB	2004/04/07 17:34	
68	BRS	11	((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1))) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water)))	USPAT; US-PGPUB	2004/04/07 17:29	
69	BRS	7	("6201912" "6208776" "6211964" "6233374" "6263725" "6597821" "6650799").pn.	USPAT; US-PGPUB	2004/04/07 17:33	
70	BRS	11	(("6201912" "6208776" "6211964" "6233374" "6263725" "6597821" "6650799").pn. ) (((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1))) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3))	USPAT; US-PGPUB	2004/04/07 17:31	

	Error	Error
	Definition	Definition
60		0
61		0
62		0
63		0
64		0
65		0
66		0
67		0
68		0
69		0
70		0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
71	BRS	11	((("6201912" "6208776" "6211964" "6233374" "6263725" "6597821" "6650799").pn. ) (((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3)) and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/07 17:32	
72	BRS	7	((("6201912" "6208776" "6211964" "6233374" "6263725" "6597821" "6650799").pn. ) and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/07 17:33	
73	BRS	11	("20020128234" "20030059150" "20030094281" "20040057647" ) (((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3))	USPAT; US-PGPUB	2004/04/07 17:33	
74	BRS	11	((("20020128234" "20030059150" "20030094281" "20040057647" ) (((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3)) and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/07 17:34	
75	BRS	11	("20020128234" "20030059150" "20030094281" "20040057647" ) (((("6201912" "6208776" "6211964" "6233374" "6263725" "6597821" "6650799").pn. )	USPAT; US-PGPUB	2004/04/07 17:34	
76	BRS	11	((("20020128234" "20030059150" "20030094281" "20040057647" ) (((("6201912" "6208776" "6211964" "6233374" "6263725" "6597821" "6650799").pn. ) and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/07 18:21	

	Error Definition	Error Definition
71		0
72		0
73		0
74		0
75		0
76		0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
77	BRS	11	((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/07 18:39	
78	BRS	20	((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 (fluid\$1 liquid\$3 water) same flow\$3)) and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/07 18:38	
79	BRS	9	((((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 (fluid\$1 liquid\$3 water) same flow\$3)) and (intensit\$4 pressur\$1 densit\$3) ) not (((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3) )	USPAT; US-PGPUB	2004/04/07 18:20	
80	BRS	3	"20020196993" "20030063884" "20030133640"	USPAT; US-PGPUB	2004/04/07 18:20	
81	BRS	6	("4469544" "4505223" "4566889" "4725137" "4804241" "6191414").pn.	USPAT; US-PGPUB	2004/04/07 18:21	
82	BRS	9	("20020196993" "20030063884" "20030133640" ) ("4469544" "4505223" "4566889" "4725137" "4804241" "6191414").pn. )	USPAT; US-PGPUB	2004/04/07 18:21	
83	BRS	9	((("20020196993" "20030063884" "20030133640" ) ("4469544" "4505223" "4566889" "4725137" "4804241" "6191414").pn. ) and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/07 18:45	

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78		0
79		0
80		0
81		0
82		0
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84	BRS	0	2000CH-1559/00	DERWENT	2004/04/07 18:24	
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86	BRS	0	'1559/00'	DERWENT	2004/04/07 18:26	
87	BRS	0	'01559/00'	DERWENT	2004/04/07 18:25	
88	BRS	0	'ch1559/00'	DERWENT	2004/04/07 18:25	
89	BRS	0	'ch 1559/00'	DERWENT	2004/04/07 18:25	
90	BRS	0	'2000CH 1559/00'	DERWENT	2004/04/07 18:27	
91	BRS	0	'2000CH 155900'	DERWENT	2004/04/07 18:25	
92	BRS	4	'155900'	DERWENT	2004/04/07 18:26	
93	BRS	0	'1559-00'	DERWENT	2004/04/07 18:26	
94	BRS	0	'1559 00'	DERWENT	2004/04/07 18:26	
95	BRS	0	'ch155900'	DERWENT	2004/04/07 18:26	
96	BRS	0	'ch 155900'	DERWENT	2004/04/07 18:27	
97	BRS	0	'2000CH'	DERWENT	2004/04/07 18:27	
98	BRS	1	2000CH-1559/00	USPAT; US-PGPUB	2004/04/07 18:36	
99	BRS	0	((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1))) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 (fluid\$1 liquid\$3 water) same flow\$3)) and (intensit\$4 pressur\$1 densit\$3)	EPO; JPO; DERWENT	2004/04/07 18:38	
100	BRS	31	((grating\$1 same (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1))) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$3 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/07 19:08	

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85	0
86	0
87	0
88	0
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90	0
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93	0
94	0
95	0
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	Type	Hits	Search Text	DBs	Time Stamp	Comments
101	BRS	0	((grating\$1 same (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$3 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3)	EPO; JPO; DERWENT	2004/04/07 18:40	
102	BRS	0	((((grating\$1 same (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$3 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3) ) not (((((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3) ) (((((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 (fluid\$1 liquid\$3 water) same flow\$3)) and (intensit\$4 pressur\$1 densit\$3) ))	USPAT; US-PGPUB	2004/04/07 18:42	

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101		0
102		0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
103	BRS	19	((((grating\$1 same (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1))) and ((grating\$1 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$3 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3) ) not (((((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 near7 (fluid\$1 liquid\$3 water))) and (intensit\$4 pressur\$1 densit\$3) ) (((((grating\$1 near7 (intensit\$4 pressur\$1 densit\$3)) same (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) and ((grating\$1 near5 (fiber\$1 waveguide\$1 fiber\$1 clad\$5 core\$1)) near7 flow\$1 liquid\$3 water) same flow\$3)) and (intensit\$4 pressur\$1 densit\$3) ))	USPAT; US-PGPUB	2004/04/07 18:44	
104	BRS	10	("20020063866" "20020064330" "20020064331" "20030083401" "20030104390" "20030217605" "20040000197" "20040042721" "20040045705" "20040047534")	USPAT; US-PGPUB	2004/04/07 18:44	
105	BRS	9	("4244768" "4289563" "4522009" "5562027" "6078705" "6289144" "6550342" "6636320" "6698297") .pn.	USPAT; US-PGPUB	2004/04/07 18:45	
106	BRS	19	((("20020063866" "20020064330" "20020064331" "20030083401" "20030104390" "20030217605" "20040000197" "20040042721" "20040045705" "20040047534") ) ("4244768" "4289563" "4522009" "5562027" "6078705" "6289144" "6550342" "6636320" "6698297") .pn. )	USPAT; US-PGPUB	2004/04/07 18:45	

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103	0
104	0
105	0
106	0

	Type	Hits	Search Text	DBs	Time Stamp	Comments
107	BRS	19	(( ("20020063866" "20020064330" "20020064331" "20030083401" "20030104390" "20030217605" "20040000197" "20040042721" "20040045705" "20040047534") ) (( "4244768" "4289563" "4522009" "5562027" "6078705" "6289144" "6550342" "6636320" "6698297") .pn. ) and (intensit\$4 pressur\$1 densit\$3)	USPAT; US-PGPUB	2004/04/09 11:21	
108	BRS	5	("6550342" "6636320" "6201912" "6597821") .pn. "20040057647"	USPAT; US-PGPUB	2004/04/12 11:50	
109	BRS	5	(( "6550342" "6636320" "6201912" "6597821") .pn. "20040057647" ) and (grating\$1 intensit\$4 pressure\$1 densit\$4)	USPAT; US-PGPUB	2004/04/09 12:42	
110	BRS	13	(flow near3 sens\$4) near7 (fbg\$1 grating\$1)	USPAT; US-PGPUB	2004/04/09 12:53	
111	BRS	13	((flow near3 sens\$4) near7 (fbg\$1 grating\$1)) and (intensit\$4 pressure\$1 densit\$4)	USPAT; US-PGPUB	2004/04/09 12:45	
112	BRS	12	((flow near3 sens\$4) near7 (fbg\$1 grating\$1)) and (intensit\$4 pressure\$1 densit\$4)) and (fluid\$1 liquid\$1 water)	USPAT; US-PGPUB	2004/04/09 12:45	
113	BRS	12	(flow near3 sens\$4) near7 (fbg\$1 grating\$1)	EPO; JPO; DERWENT	2004/04/09 12:54	
114	BRS	2	((flow near3 sens\$4) near7 (fbg\$1 grating\$1)) and (fiber\$1 waveguide\$1)	EPO; JPO; DERWENT	2004/04/09 12:54	

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107	0
108	0
109	0
110	0
111	0
112	0
113	0
114	0

	U	1	Document ID △	Issue Date	Pages	Title
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20040057647 A1	20040325	12	Apparatus for and methods of sensing evanescent events in a fluid field
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6201912 B1	20010313	17	Birefringent fiber grating sensor and detection system
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6550342 B2	20030422	15	Circumferential strain attenuator
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6597821 B1	20030722	17	Fiber laser sensor for measuring differential pressures and flow velocities
5	<input type="checkbox"/>	<input type="checkbox"/>	US 6636320 B1	20031021	15	Fiber optic tufts for flow separation detection

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C
1	385/12	250/227.14; 385/37		Lyons, Danald R.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	385/37	356/503; 359/326; 385/12		Kempen, Lothar U. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	73/800			Croteau, Paul F. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	385/12			Bohnert, Klaus et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	356/477	244/203; 250/227.14; 385/13		Wetzel, Todd G. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	P	2	3	4	5	Image Doc. Displayed	PT
1	<input type="checkbox"/>	US 20040057647	<input type="checkbox"/>				
2	<input type="checkbox"/>	US 6201912	<input type="checkbox"/>				
3	<input type="checkbox"/>	US 6550342	<input type="checkbox"/>				
4	<input type="checkbox"/>	US 6597821	<input type="checkbox"/>				
5	<input type="checkbox"/>	US 6636320	<input type="checkbox"/>				